

Abstract

The present application relates to a method for modulating the growth state of an lung tissue, or a cell thereof, e.g., by ectopically contacting the tissue, *in vitro* or *in vivo*, with a *hedgehog* therapeutic, a *ptc* therapeutic, or an *FGF-10* therapeutic in an amount effective to alter the rate (promote or inhibit) of proliferation of cells in the lung tissue, e.g., relative to the absence of administration of the *hedgehog* therapeutic or *ptc* therapeutic. The subject method can be used, for example, to modulate the growth state of epithelial and/or mesenchymal cells of a lung tissue, such as may be useful as part of a regimen for prevention of a disease state, or in the treatment of an existing disease state or other damage to the lung tissue.